

# 1080P 800M Full color night

## vision IP66 IP PTZ Camera



### Key Features

- Full color imaging at very low illumination.
- 800M Super distance recognition, no need to fill light
- No visible trailing shadows for moving objects in night scenes
- Fast focusing speed and super light suppression.
- Horizontal 360° continuous, vertical -90°~+45°rotation.
- Support 3D positioning function, clickable tracking and zooming through the client/IE.
- Outdoor IP66 protection level, lightning, surge and surge protection.
- Support timed task preset point, pattern scan, renewal scan, left right scan

### Product Highlight

Full-color night vision head is based on the very low light imaging technology, through the separation of noise and real signal from the very low light signal deep learning AI algorithm; in the noise reduction at the same time the real signal is enhanced to the normal light environment intensity, the signal to noise ratio is effectively improved to achieve normal imaging in the very low light environment.

Mainly used in urban high-altitude lookout, border and sea defense, sea chokepoints, road monitoring, maritime farming, parks, industrial parks and other places.

### Technical parameters

Model	SVN-20FX800AS2
Sensor	1/1.8" Progressive Scan CMOS
Pixels	2.0MP
Minimum illumination	Color:0.0001Lux
Frame Rate	10fps/30fps real time video
Lens focal length	F=6.8~120mm, 20x optical zoom
Lens aperture	F1.6-F4.1
Horizontal field of view	58.5°-3.7°
Recognition distance	800M Full color night vision
Video Compression	H.265/H.264
White balance	Automatic
Gain control	Automatic
Wide Dynamic	120dB
Signal-to-noise ratio	0.01 LUX: S/N ratio $\geq$ 30dB, 0.01 LUX: S/N ratio $\geq$ 20dB.
AI digital noise reduction	Support-
Exposure Mode	Automatic

Color reproduction	0.01 LUX: $\Delta$ Eab < 20, 0.001 LUX: $\Delta$ Eab < 30 (frame rate $\geq$ 10fps)
Rotation speed	Horizontal 0.1 to 100°/S, vertical 0.1 to 50°/S
Positioning accuracy	0.1°±50%
Preset	255
3D function	Support frame enlargement, target locking field of view center function (optional)
Automatic cruise	Support focal length and head speed matching
Power failure memory	Support power-off state memory function, automatically return to the head and lens state before power-off after power on
Watch function	On/Off, preset point/cruise scan can stay in idle state after specified time Automatic recall (including idle state entered after power-up)
Remote Upgrade	Support both movement and head remote upgrade (related to movement)
Real-time angle back transmission	Support real-time angle return or query angle return function
Information Display	Support
Angle control	Support
Smart Wiper	Remote intelligent control
Fan/Heating	Real-time temperature detection; low temperature start, pure physical detection
Waterproof respirator	Built-in 2 waterproof respirators to reduce fogging and condensation
Communication Baud Rate	2400/4800/9600/19200bps
Communication Interface	RS485+RS232
Communication protocols	PELCO+VISCA
Network Protocols	IPv4/IPv6,HTTP,DNS,NTP,RTSP,RTCP,RTP,TCP/IP,UDP,DHCP
Access Protocol	ONVIF/GB28181
Network Interface	RJ4510/100Base-T
Audio Interface	1-channel audio input, 1-channel audio output (optional)
Alarm interface	2-channel alarm input/2-channel relay output (optional)
Analog video interface	Not supported
External 485 interface	Support adaptive Pelco-P, Pelco-D and other protocols
Ground Line	Grounded all the way
Power supply	DC/AC24V/3.0A
Power consumption	<90W( Low temperature start)
Working environment temperature	-40°C ~ 60°C
Humidity of working environment	0~95% (non-condensing)
Protection level	IP66, built-in 4000V lightning, surge and surge protection
Dimension	L355mm×W204mm×H443mm
Product weight	≤9kg
Load weight	≤4kg (including movement shield)

# Dimension(mm)

